



## MATERIAL SAFETY DATA SHEET - ( M S D S )

### VETIVER PARAGUAY

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<b>SECTION 1 -PRODUCT AND COMPANY INFORMATION</b>	
<b>Product name:</b>	Vetivert Paraguay
<b>Brand:</b>	Alpacasa
<b>Identification of Company:</b>	Aleman Paraguayo Canadiense S. A. (ALPACASA)
<b>Manufacture:</b>	Aleman Paraguayo Canadiense S. A. (ALPACASA)
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<b>Country:</b>	Paraguay
<b>Tecnhical Services:</b>	ALPaCaSA 595 981 801 926
<b>SECCION 2 - COMPOSITION/INFORMATION ON INGREDIENTS</b>	
<b>Esential Oils Main compounds:</b>	A vetivone , B vetivone, Kuhsimol, Vetiselinol, Vetivenol
<b>CAS N°:</b>	8016-96-4
<b>EINECS:</b>	282-490-8
<b>SECTION 3 - HAZARDS IDENTIFICATION</b>	
<b>Emergency overview:</b>	All constituents are not considered hazardous.
<b>Health:</b>	No significant risk to health
<b>Flammability:</b>	Keep away from open flame
<b>Physical Hazard:</b>	Material is stable at normal room temperature, but may become instable at high temperature above 100 C°
<b>SECTION 4 - FIRST AID MEASURES</b>	
<b>Oral Exposure</b>	If swallowed, wash mouth with water, may cause stomach distress, nausea or vomiting, see physician if symptoms persist.
<b>Inhalation Exposure</b>	If symptoms develop move victim to fresh air.
<b>Dermal Exposure</b>	Wash off with soap and water, take of spoilt cloths.
<b>Eye Exposure</b>	Wash with water for 15 minutes, remove contact lenses. If symptoms persist consult with physician.
<b>SECTION 5 - FIRE FIGHTING MEASURES</b>	
<b>Flash point</b>	110° C
<b>Flammability</b>	N/A
<b>SECTION 6 -ACCIDENTAL RELEASE MEASURES</b>	
<b>Personal precaution</b>	Use protection equipment
<b>Environmental precaution</b>	In case of spilling call the fire department, the product should not contaminate existing water



	canals.
<b>Clean up methods</b>	Cover with sand and collect with shovel into a metal container
<b>SECTION 7 - HANDLING AND STORAGE</b>	
<b>Handling</b>	Good ventilation. Do not eat, drink or smoke during handling
<b>Storage</b>	Keep out of reach of children; keep away from open flame; keep tightly closed.
<b>SECTION 8 - EXPOSURE CONTROL / PERSONAL PROTECTION</b>	
<b>Exposure controls</b>	None required
<b>Respiratory protection</b>	None required if good ventilation is maintained
<b>Hand protection</b>	Use gloves for handling
<b>Eye protection</b>	Protective lenses
<b>Skin protection</b>	Avoid contact with skin
<b>SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES</b>	
<b>Appearance</b>	Viscous liquid
<b>Odour</b>	Woody; sweet, earthy
<b>Autoflamability</b>	Not
<b>Explosive properties</b>	None
<b>Oxidising properties</b>	None
<b>Relative density</b>	N/A
<b>Flash point</b>	110 °C
<b>Water solubility</b>	Not soluble in water
<b>Soluble in</b>	Alcohol
<b>Oil solubility</b>	Yes
<b>Refractive index at 20°C</b>	1.5200-1.5250
<b>SECTION 10 - STABILITY AND REACTIVITY</b>	
<b>Conditions to avoid</b>	Keep away from open flame
<b>Materials to avoid</b>	Strong oxidizing agents, strong reducing agents
<b>Decomposition</b>	Carbon monoxide and unidentified organic compounds may be formed during combustion
<b>Reactivity</b>	It presents no significant reactivity hazards, by itself or in contact with water
<b>SECTION 11 - ECOLOGICAL INFORMATION</b>	
<b>Ecotoxicity</b>	Not determined
<b>Biodegradability of surfactant agents containing the formulation</b>	Avoid contact with ground, superficial waters and subterranean waters
<b>SECTION 12 - DISPOSAL CONSIDERATION</b>	



<b>Product</b>	Contact licensed professional waste disposal service to dispose of this material. Observe all federal, state, and local environmental regulations, avoid disposing into drainage systems and into environment
<b>Packaging</b>	Recycle
<b>SECTION 13 - TRANSPORT INFORMATION</b>	
<b>Road and rail transport</b>	Not classified
<b>Sea freight</b>	Not classified
<b>Air freight</b>	Not classified
<b>SECTION 14 - REGULATORY INFORMATION</b>	
<b>R sentences</b>	Not necessary
<b>S sentences</b>	Not necessary
<b>OTHER INFORMATION WARRANTY</b>	The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regards to appropriate safety precautions Version 1 / date revised 19/11/2014